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# Northeast Electronic Monitoring Workshop

May 7 – 8, 2014  
Sheraton Portsmouth Harborside Hotel  
Portsmouth, NH

## WELCOME

On behalf of the Workshop Steering Committee, welcome to the 2014 Northeast Electronic Monitoring Workshop. We appreciate your participation in the workshop and hope you find the next two days both useful and thought provoking.

The purpose of the workshop is to bring together fishermen, fishery managers, scientists, conservation organizations, and other stakeholders to develop a shared vision and recommendations for implementation of electronic monitoring in New England fisheries. The workshop is designed to be participatory in nature with active involvement from the entire group. The results of the workshop recommendations will be presented to the Council and NOAA Fisheries for their consideration.

On Day One we will hear from scientists, regulators, and fishermen on the state of EM efforts in the Northeast and observations from the national EM workshop. The afternoon will focus on refining a series of draft goals for EM in the groundfish, scallop and herring fisheries. Day Two will provide an opportunity for smaller facilitated group discussions on specific topics identified on Day One. Throughout the workshop, we will focus on the following goals:

1. Building off lessons learned at the national EM workshop to explore how EM can be implemented in New England fisheries;
2. Building broader awareness of EM technologies among New England stakeholders, including regulators, managers, industry and the public;
3. Identifying clear goals for EM as a component of modernizing data collection and monitoring in candidate fisheries, including groundfish, scallops, and herring; and
4. Identifying key implementation challenges and developing specific recommendations for the Council and NOAA Fisheries.

The success of the workshop - and the broader effort to implement EM in New England fisheries - depends on collaboration and commitment from industry, fishery managers, service providers, and other interested stakeholders. So thanks again for your participation and we look forward to a productive two days!

Sincerely,



Geoffrey Smith



Melissa Hooper

## AGENDA: DAY 1

### WEDNESDAY, MAY 7, 2014

- 
- 9:30** Welcome  
*Geoff Smith, The Nature Conservancy*
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- 9:40** Overview and Introductions  
*Laura Taylor Singer, SAMBAS Consulting*
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- 9:50** Opening Remarks: Northeast Electronic Monitoring Workshop in the National Framework  
*Russell Brown, Deputy Science and Research Director, NMFS/NEFSC*
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- 10:05** Panel: Setting the Context for Electronic Monitoring in the Northeast
- Key Lessons from the National EM Workshop  
*Dorothy Lowman, Pacific Fishery Management Council*
  - Overview of NEFMC Work on Electronic Monitoring  
*Jamie Cournane, NEFMC Staff*
  - Current Efforts within NOAA Fisheries New England Region  
*Melissa Hooper, Fishery Policy Analyst, NMFS/GARFO*
- 
- 10:45** Perspectives on Electronic Monitoring – Potential Goals & Implementation Strategies
- Reflections from British Columbia, *Rick Stanley, Fisheries Consultant, B.C.*
  - Reflections from the West Coast, *Dorothy Lowman, Pacific Fishery Management Council*
  - Lessons Learned from NMFS Data Review Process, *Holly McBride, NMFS/NEFSC*
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- 11:40** Panel: Lessons and Observations from Pilot Electronic Monitoring Projects
- Archipelago Marine Research, *Maria Jose Priá*
  - NEFSC Observer Program, *Amy Martins*
  - Ecotrust Canada, *Amanda Barney*
  - Fishing Experts, *Rodman Sykes, Frank Mirarchi, Vincent Balzano, Greg Walinski*
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- 12:40** Lunch
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- 1:40** Breakout: Establishing Goals for Electronic Monitoring in the Groundfish, Scallops and Herring Fisheries
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- 2:45** Reconvene and Report Out
- 
- 3:10** Break

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## AGENDA DAY 1 (cont'd)

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### WEDNESDAY, MAY 7, 2014 (cont'd)

- 3:25** Panel: Issues & Implications for Electronic Monitoring Implementation
- Data Handling, Analysis, and Other Issues, *Wendy Gabriel, NMFS/NEFSC*
  - Legal Issues to Consider for EM Implementation, *Mitch MacDonald, General Counsel Northeast*
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- 4:05** Table Discussion
1. Brainstorm a list of data issues/concerns/questions that need to be addressed in order to implement EM (this could be broadly or by fishery)
  2. Prioritize the TOP THREE for potential further group discussion
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- 4:40** Summarize Table Discussions and Brainstorm Issues for Day Two
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- 5:00** Wrap up and Final Thoughts  
*George Lapointe, Contractor, NMFS Electronic Technologies Initiatives*
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- 5:15** Adjourn
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- 5:30** Light reception and poster viewing in hallway outside of Ballroom
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- 6:30** Dinner on Your Own (see list of suggested restaurants)

## AGENDA: DAY 2

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### THURSDAY, MAY 8, 2014

- 9:00** Welcome and Overview  
*Geoff Smith/Melissa Hooper*
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- 9:05** Summary of Day 1 Discussions and Overview of Day 2  
*Laura Taylor Singer*
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- 9:30** Breakout Discussion 1
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- 10:30** Break
- 
- 10:45** Breakout Discussion 2
- 
- 11:45** Lunch
- 
- 12:45** Break-out Discussion 3
- 
- 1:45** Break
- 
- 2:00** Report Back and Synthesize  
*Facilitators and Laura Taylor Singer*
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- 2:40** Next Steps and Closing Remarks  
*Deputy Regional Administrator, NMFS/GARFO*
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- 3:00** Adjourn

## ABOUT OUR PRESENTERS

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### **Vincent Balzano**

Vincent Balzano, F/V North Star, is a third generation fisherman who has been involved in the fishing industry for over 25 years. Vincent is the owner of the F/V North Star out of Portland, Maine and has been active in collaborative research. In 2012, he was appointed to the NEFMC and serves as Vice-Chair of the Research Steering Committee and the Whiting Committee. He is also a member of the Groundfish, Habitat, Herring, and Monkfish committees.

### **Amanda Barney**

Amanda Barney (Manager, Marine Monitoring Initiative) brings 10 years' experience in fisheries management and ocean research, focusing on sustainable development in coastal communities. She holds a Bachelor of Science degree in Marine Biology and a Master's Degree in Marine Affairs.

### **Russ Brown**

Dr. Russell Brown is the Director of the Woods Hole Laboratory and Deputy Director of the Northeast Fisheries Science Center. He has spent his entire professional career with the NEFSC and has considerable experience with the design and implementation of electronic data capture systems used by fishery independent survey programs on both research and commercial vessels.

### **Jamie Cournane**

Jamie M. Cournane, PhD is the Groundfish Plan Coordinator for the NEFMC. She chairs the Council's Groundfish Plan Development Team (PDT) and staffs the Council's Electronic Monitoring Working Group (EMWG). The EMWG is discussing approaches to implementing electronic monitoring in groundfish sectors. Previously, as a research scientist at UNH, she served for five years on the Council's Atlantic Herring PDT working on developing approaches to reduce bycatch in the herring fishery.

### **Wendy Gabriel**

Wendy Gabriel is Chief of the Fisheries and Ecosystems Monitoring and Analysis Division for NOAA Fisheries. She oversees the Fisheries Sampling, Ecosystems Surveys and Population Biology Branches. Wendy is currently leading the NEFSC's efforts to evaluate and plan for the use of electronic monitoring in fishery data collection. Previously, she was a stock assessment scientist in the Center's Population Dynamics Branch.

### **Melissa Hooper**

Melissa Hooper is a Fishery Policy Analyst for the Greater Atlantic Regional Fisheries Office. She works with the New England and Mid-Atlantic Councils to develop and implement regulations for managing groundfish and other northeast fisheries. Melissa was on the steering committee for the 2014 National Electronic Monitoring Workshop and currently sits on the NEFMC EMWG.

### **George Lapointe**

George Lapointe serves as an advisor to NOAA Fisheries on the agency electronic technologies initiative. He owns a consulting company which concentrates on marine fishery and ocean policy issues. Previously, he served as Maine Commissioner of Marine Resources and with the ASFMC.

### **Dorothy Lowman**

Dorothy Lowman is the sole proprietor of Lowman and Associates and has over 30 years of experience working on fishery management issues with managers, industry organizations, tribal entities and environmental groups. Ms. Lowman is the current Chair of the Pacific Fishery Management Council and has served on a several fishery-related boards and advisory groups over the course of her career.

### **Mitch MacDonald**

Mitch MacDonald works with NOAA Office of General Counsel and has been an Attorney-Advisor for 20 years. He is currently advising the NMFS and the NEFMC on matters relating to northeast multispecies and Atlantic herring. Mitch also sits on the Council's EMWG.

## ABOUT OUR PRESENTERS

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### **Amy Martins**

Amy Martins is the Branch Chief for the Fisheries Sampling Branch at the Northeast Fisheries Science Center. She oversees the Northeast Fisheries Observer Program, the At-Sea Monitoring Program, and the Industry-Funded Scallop Observer Program. Her program has been conducting an EM pilot project in conjunction with Archipelago Marine Research Ltd. since 2010 to evaluate the utility of EM Systems.

### **Holly McBride**

Holly McBride is an IT Specialist with Data Management Systems, NOAA Fisheries, NEFSC. She has worked as a programmer on the At-Sea Monitor systems, Electronic Vessel Trip Report System, and Electronic Dealer Reporting. Currently she is serving as a co-lead on the Fisheries Dependent Data Modernization project and serves as point of contact on other current fisheries dependent data projects.

### **Frank Mirarchi**

Frank Mirarchi is a fisherman from Scituate, MA. With over 50 years of experience commercial fishing, Frank has been active in groundfish, whiting, squid, dogfish, and scallop fisheries and has participated in a variety of cooperative research projects focused on conservation engineering and impacts of fishing gear on habitat. He has also worked with NEFSC on the EM pilot project from 2010 through 2013.

### **Dan Morris**

Daniel Morris is the Deputy Regional Administrator of the NOAA Fisheries Greater Atlantic Region. After six years in the US Navy, he began his career with NOAA in 1991 and served as commanding officer of NOAA Ship McARTHUR II from 2003-2005. Mr. Morris has worked in each of the NOAA Fisheries program areas – Protected Resources, Habitat Conservation, and Sustainable Fisheries. He also served as the special assistant to the Northeast Regional Administrator and a year in headquarters.

### **Maria Jose Pria**

Maria Jose Pria is a project manager for the Electronic Monitoring division at Archipelago Marine Research. Her background includes a B.Sc. in biology and environmental studies, and more than eight years of experience in developing and implementing electronic monitoring programs for commercial fisheries throughout Canada, the United States, Europe, Australia and New Zealand.

### **Rick Stanley**

Rick Stanley is a private fishery consultant from British Columbia. Rick worked for decades as a research biologist for the Department of Fisheries and Ocean Canada where he was senior author or co-author on 19 peer-reviewed stock assessments. He also served as the Science Representative in the development of the EM-based fishery catch monitoring program in BC.

### **Rodman Sykes**

Rodman Sykes is a commercial fisherman from Point Judith, RI. He has been active in a variety of fisheries including groundfish, whiting, herring, and fluke since 1970. He participated in cooperative research projects since 1986, including shark tagging, trawl surveys, net retention studies, and observer training and is currently active in the NOAA study fleet program and the EM pilot program.

### **Greg Walinski**

Greg Walinski lives in Dennis Port, Massachusetts and has been fishing for more than 30 years as captain of the F/V Alicia Ann. He primarily fishes for codfish and haddock using tubtrawls, but as those populations of fish have declined, he has relied more and more on dogfish and bluefin tuna. He is a member of the Fixed Gear Sector and is on the Board of the Cape Cod Commercial Fishermen's Alliance.





We offer our sincere thanks to the members of our Steering Committee that helped design the workshop agenda and make it a success.

Susan Caldwell, *The Nature Conservancy*

Barry Clifford, *NOAA Fisheries, Regional Office*

Jamie Cournane, *New England Fisheries Management Council*

Tom Dempsey, *Cape Cod Fishermen's Alliance*

Susan Gardener, *NOAA Fisheries, Science Center*

Wendy Gabriel, *NOAA Fisheries, Science Center*

Logan Gregory, *NOAA Fisheries, Office of Law Enforcement*

Melissa Hooper, *NOAA Fisheries, Regional Office*

Jessica Joyce, *Gulf of Maine Research Institute*

Peter Kendall, *Commercial Fisherman*

George Lapointe, *Contractor, NMFS Electronic Technologies Initiatives*

Frank Mirarchi, *Commercial Fisherman*

Mitch MacDonald, *NOAA Fisheries, General Counsel*

Tom Nies, *New England Fishery Management Council*

Laura Taylor Singer, *SAMBAS Consulting*

Geoffrey Smith, *The Nature Conservancy*

Rachel Strader, *Gordon and Betty Moore Foundation*

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